

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Russell W. Gruhlke

Serial No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: SPECKLE BASED SENSOR FOR THREE DIMENSIONAL NAVIGATION

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 Processing fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e), and  
☐ a \$180.00 processing fee under 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 50-1078 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25.

☐ Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (\*) were disclosed in Patent Application No. \_\_\_\_\_ filed \_\_\_\_\_, now U. S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

"Express Mail" label no. EV 262 717 865 US

Date of Deposit July 31, 2003

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

By



Typed Name: Linda A. Iimura

Respectfully submitted,

Russell W. Gruhlke

By

  
Juergen Krause-Polstorff

Attorney/Agent for Applicant(s)

Reg. No. 41,127

Date: July 31, 2003

**PATENT APPLICATION**

Sheet 1 of 1

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	10030719-1	
	APPLICANT <b>Russell W. Gruhlke</b>	
	FILING DATE	GROUP
	Herewith	

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	*	DOCUMENT NUMBER	DATE	NAME
		5,644,139	July 1, 1997	Allen et al.

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
					YES	NO

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

	Schnell et al., "detection of Movement with Laser SPEckle Patterns: Statistical Propertires", JOSA A, Vol. 15, No. 1, 1998, pp. 207-216.

EXAMINER	DATE CONSIDERED
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\* Copies of these referenc s are not enclosed pursuant to 37 CFR 1.98(d). (See acc mpanying IDS)